

FIG. 1

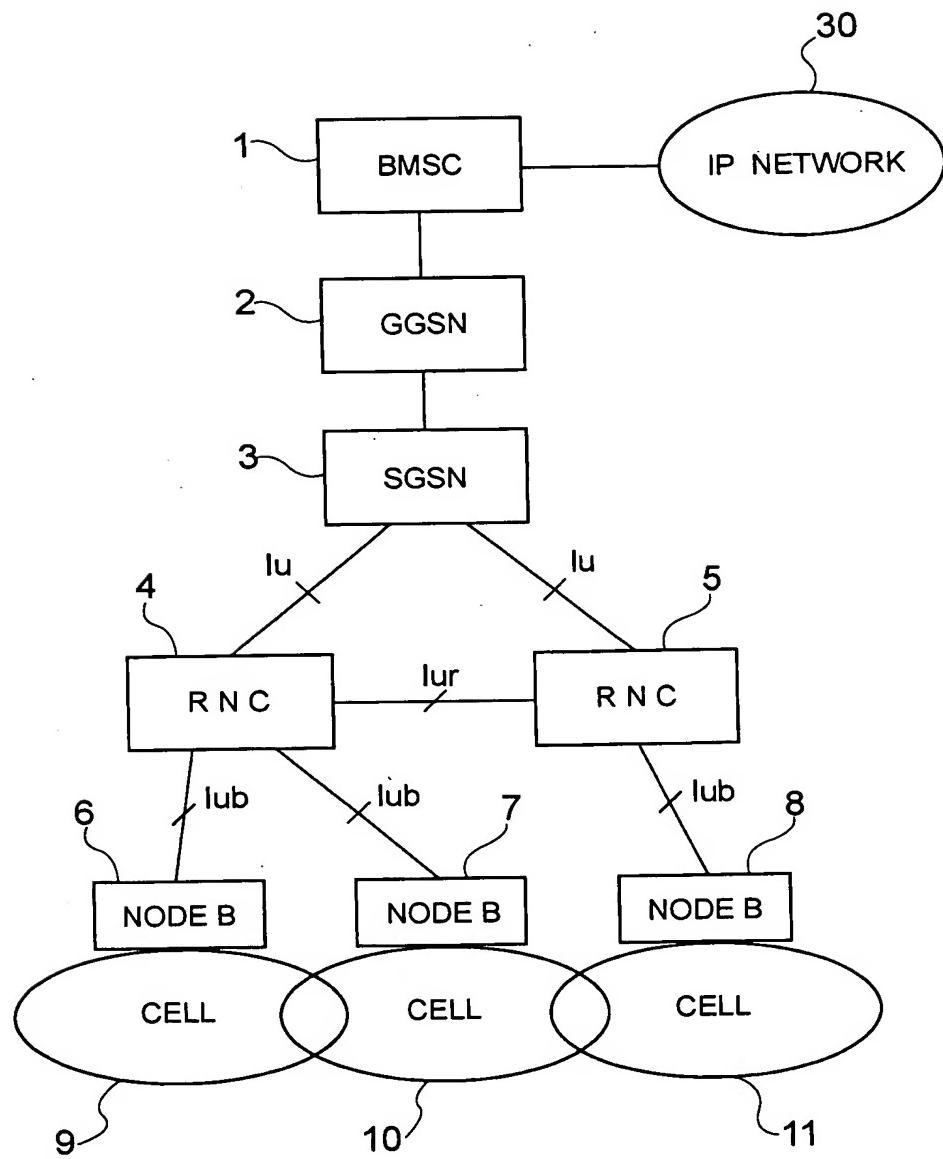


FIG. 2

RNC FUNCTIONAL BLOCK DIAGRAM

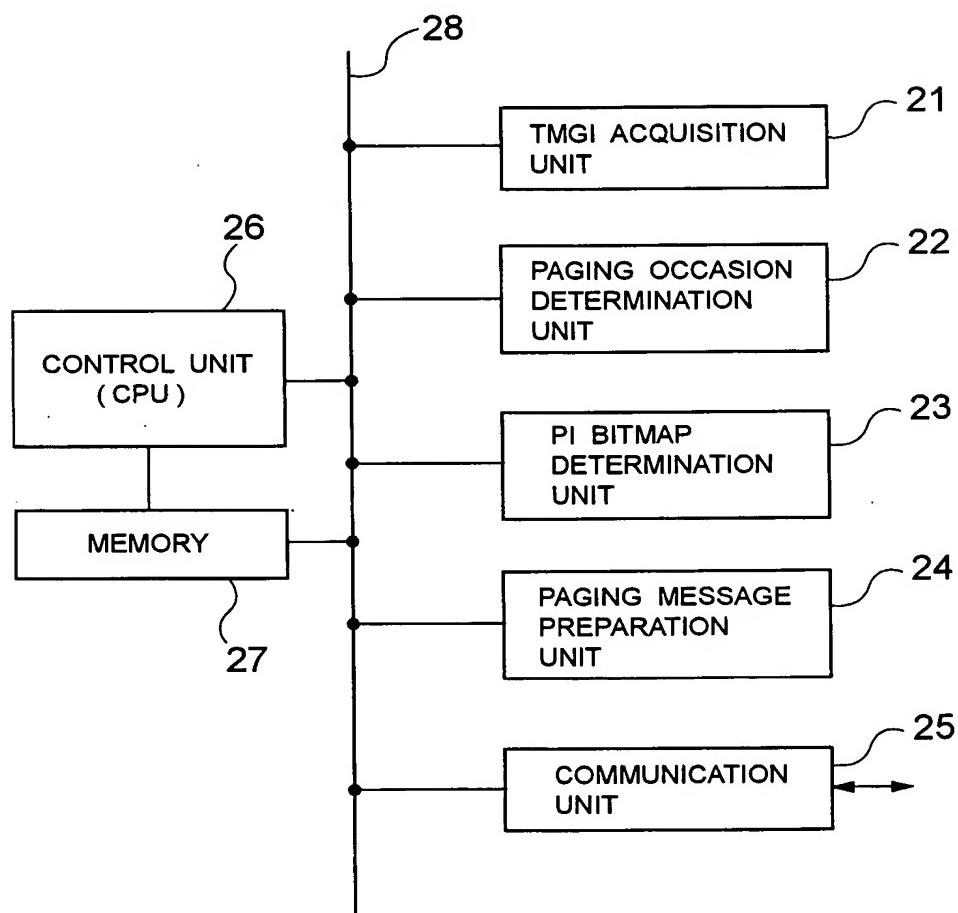
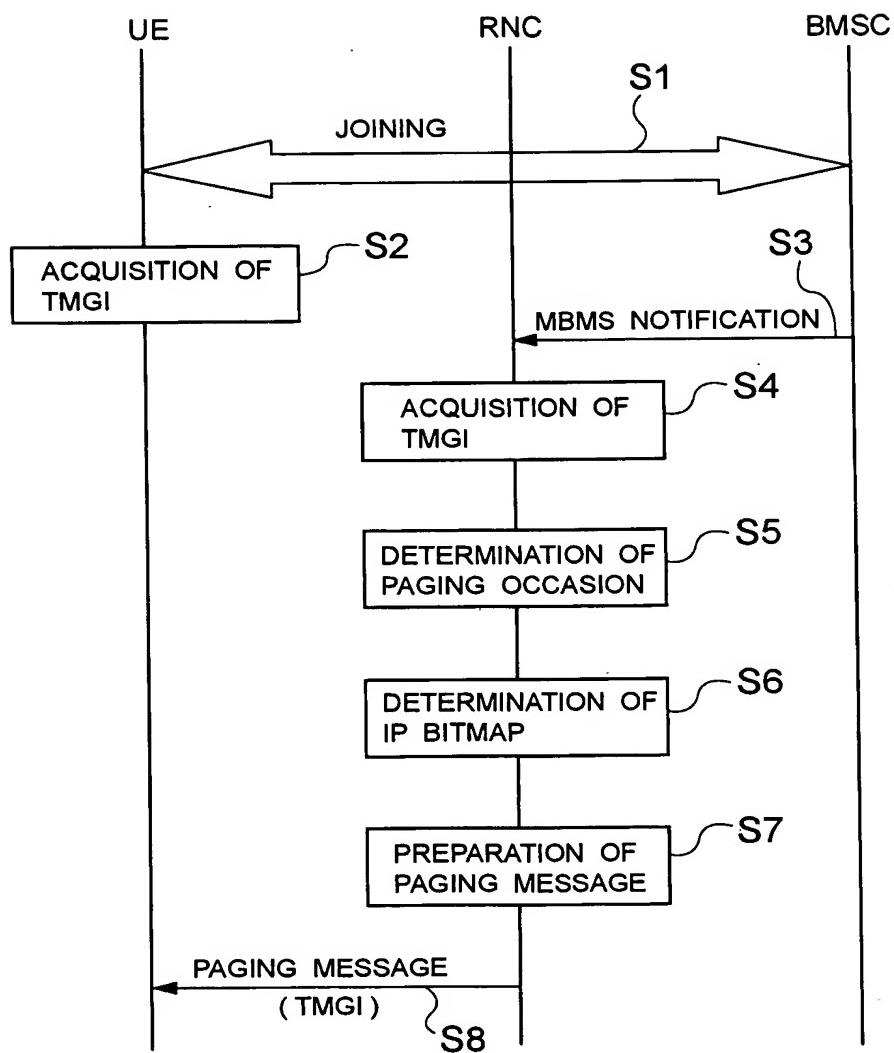


FIG. 3



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## FIG. 4

$$PO = [ \{ (TMGI) \text{ div } (K) \} \text{ mod } \{ (\text{DRX CYCLE LENGTH}) \\ \text{ div } (\text{PBP}) \} ] * \text{PBP} + n * (\text{DRX CYCLE LENGTH}) \\ + \text{FRAME OFFSET} \quad \dots \dots \dots (3)$$

TMGI : TEMPORARY MOBILE GROUP IDENTIFY  
(IDENTIFIER PECULIAR TO MBMS SERVICE),

K : NUMBER OF EXISTING PAGING CHANNELS  
(SCCPCH),

DRX (DISCONTINUOUS RECEPTION) CYCLE  
LENGTH : PERIOD FOR RECEIVING PICH,

PBP : PAGING BLOCK PERIODICITY,

n : INTEGER INCLUDING ZERO (UP TO MAXIMUM  
NUMBER OF SFN (SERIAL FRAME NUMBER))

## FIG. 5

$$PI = (\text{DRXindex}) \text{ mod } (N_p) \quad \dots \dots \dots (4)$$

DRXindex : (TMGI) div (8192),

N<sub>p</sub> : (18, 36, 72, 144),

FIG. 6

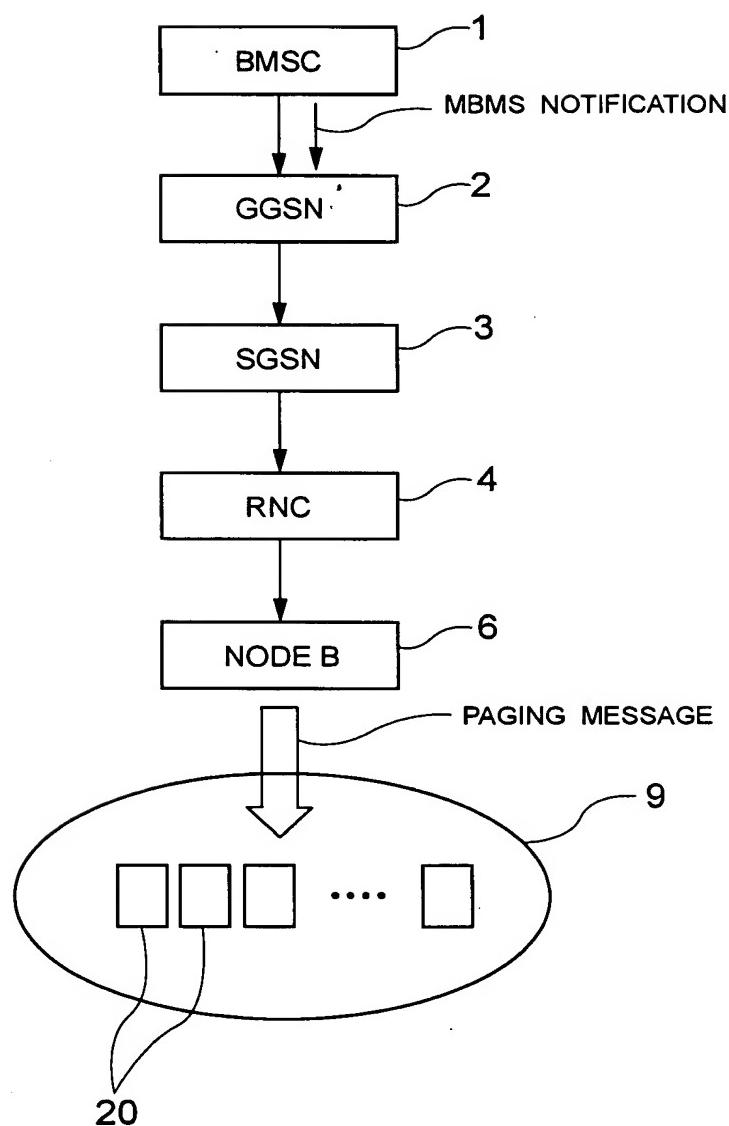


FIG. 7

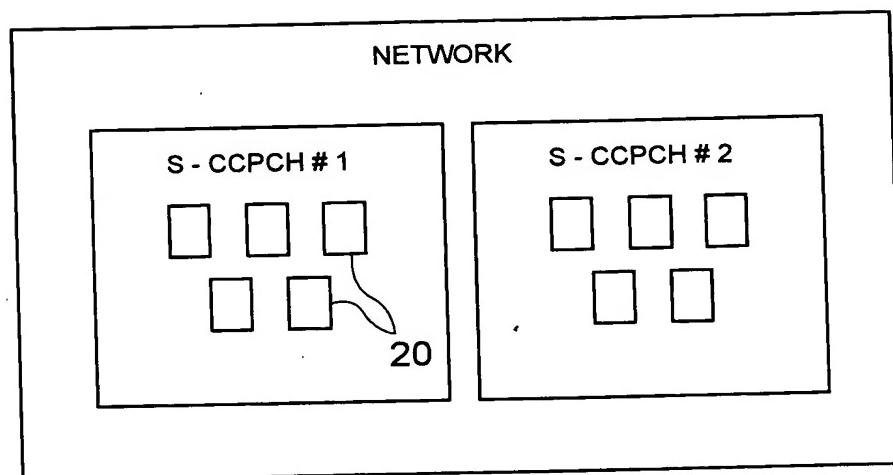


FIG. 8

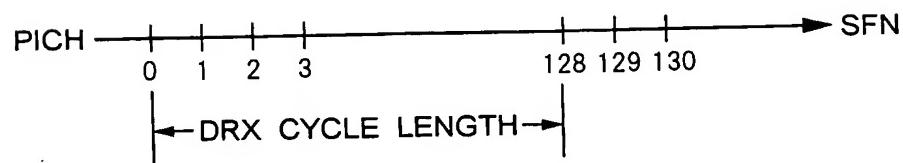


FIG. 9

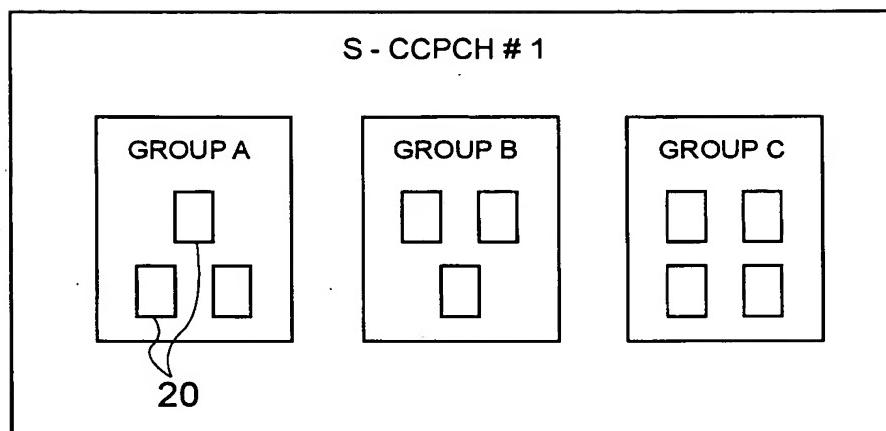


FIG. 10

GROUP	PAGING OCCASION
A	0, 128, 256, · · ·
B	1, 129, 257, · · ·
C	2, 130, 258, · · ·

FIG. 11

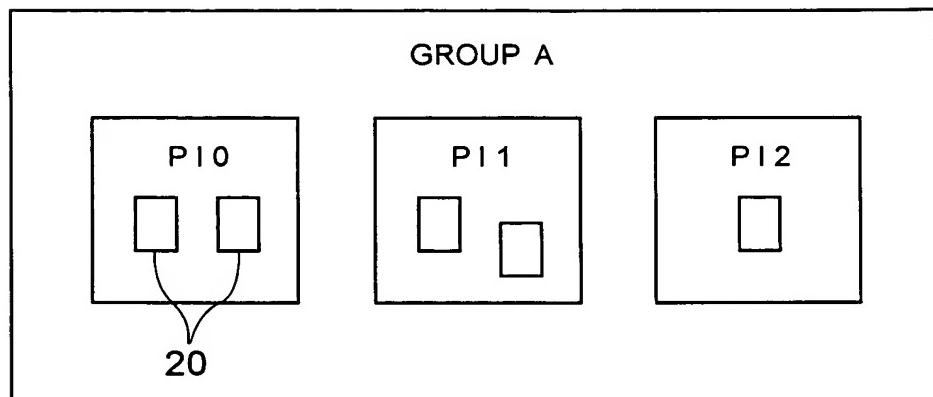


FIG. 12

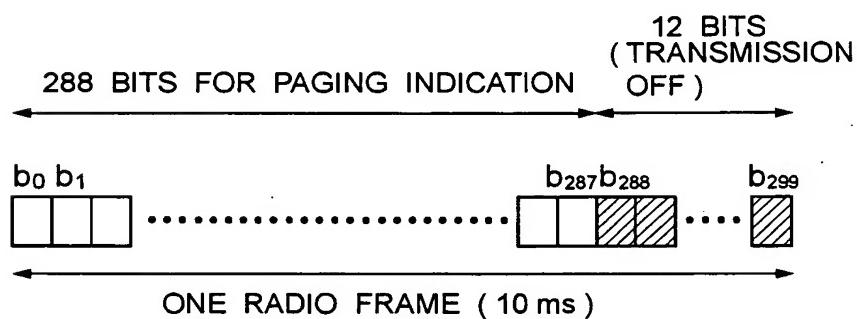


FIG. 13

NUMBER OF CONTINUOUS BITS OF  
PI FOR EACH N<sub>P</sub>

NUMBER OF PIS IN ONE FRAME	NUMBER OF BITS FOR ONE PI
18	18
36	8
72	4
144	2

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## FIG. 14

$$PO = \{ \{ (IMSI) \text{ div } (K) \} \text{ mod } \{ (DRX \text{ CYCLE LENGTH}) \\ \text{ div } (PBP) \} \} * PBP + n * (DRX \text{ CYCLE LENGTH}) \\ + \text{FRAME OFFSET} \quad \dots \dots \dots (1)$$

IMSI : INTERNATIONAL MOBILE SUBSCRIBER IDENTIFY  
(USER IDENTIFIER FIXEDLY ALLOCATED TO USER),

K : NUMBER OF EXISTING PAGING CHANNELS  
(SCCPCH),

DRX (DISCONTINUOUS RECEPTION) CYCLE  
LENGTH : PERIOD FOR RECEIVING PICH,

PBP : PAGING BLOCK PERIODICITY,

n : INTEGER INCLUDING ZERO (UP TO MAXIMUM  
NUMBER OF SFN (SERIAL FRAME NUMBER))

## FIG. 15

$$PI = (DRXindex) \text{ mod } (Np) \quad \dots \dots \dots (2)$$

DRXindex : (IMSI) div (8192),

Np : (18, 36, 72, 144),

FIG. 16

